

Title (en)  
VEHICLE CONTROL SYSTEM AND METHOD FOR CONTROLLING A VEHICLE

Title (de)  
STEUERUNGSSYSTEM FÜR EIN FAHRZEUG UND VERFAHREN ZUR STEUERUNG EINES FAHRZEUGS

Title (fr)  
SYSTEME DE COMMANDE POUR UN VEHICULE ET PROCEDE POUR LA COMMANDE D'UN VEHICULE

Publication  
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Application  
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Abstract (en)  
[origin: WO0202366A1] The invention relates to a vehicle control system consisting of several signal processing levels (E2, A, P, R, K, F) and actuators (26, 28, 30), particularly for a brake, steering system, engine and gear box, used to convert control signals, in addition to a method for controlling a vehicle. According to the invention, the following levels are provided: an input level (E1) for continuous information or an input level (E2) for discrete information; an automation level (A) for producing set point signals; a predictive level (P) and/or a reactive level (R) for correcting the set point signals; a co-ordination level (K) for converting the set point signals into control signals and an execution level (F) with actuators. Said actuators are connected to each other and are connected to the co-ordination level by means of a fault-tolerant redundant and bidirectional data bus (24). Measures are taken for redundant signal processing and data is transmitted in a fault-tolerant, redundant bidirectional manner.

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IPC 8 full level  
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